

FIG.1

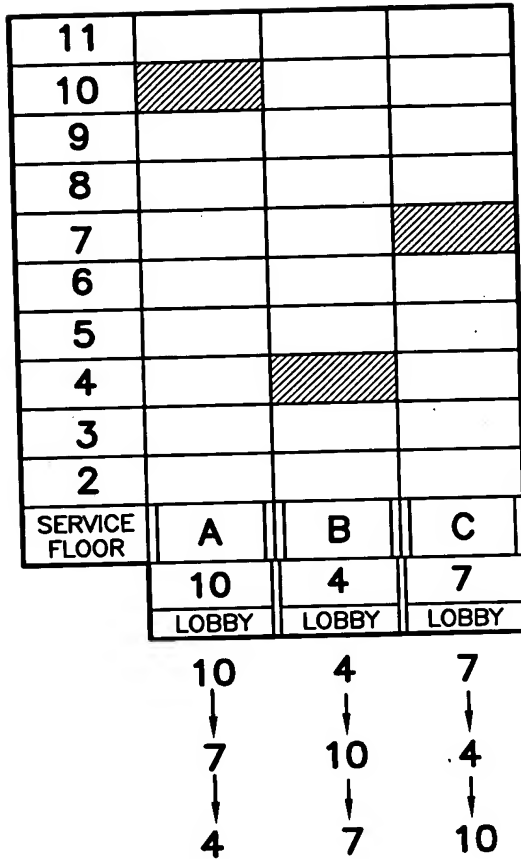


FIG.2

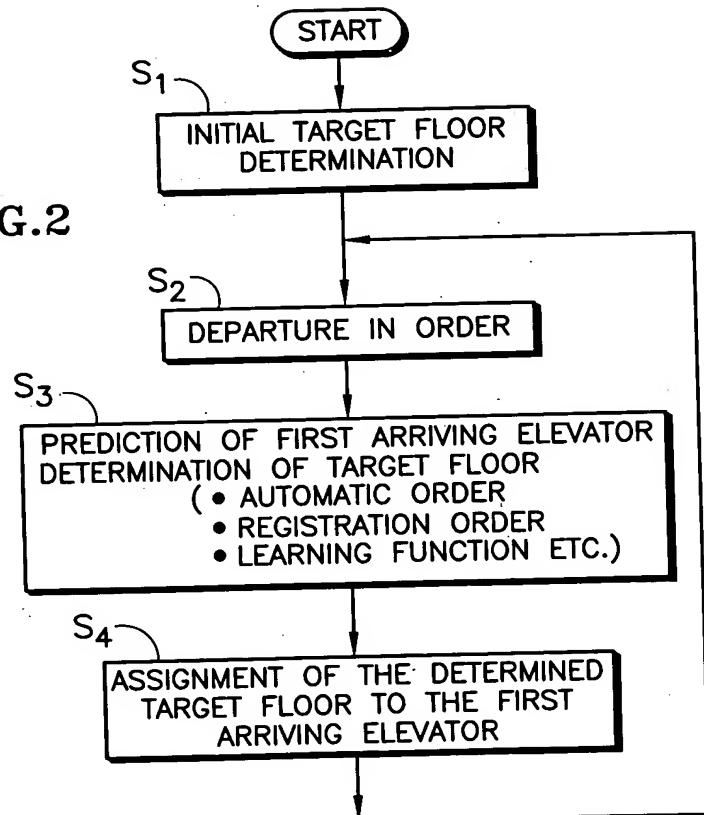


FIG.3a

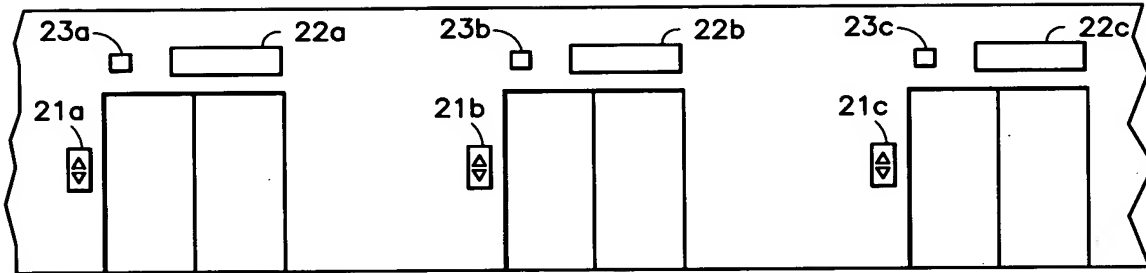


FIG.3b

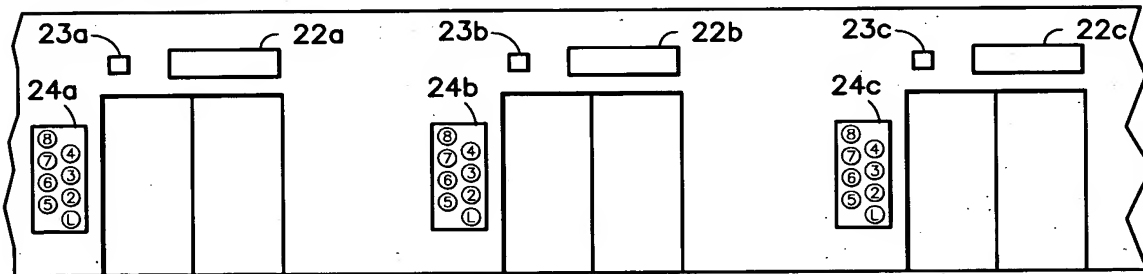


FIG.4 EVALUATION OF SHUTTLE ELEVATORS IN AN ULTRAHIGH BUILDING

	OPERATION PATTERN IN PRIOR ART	SYSTEM OF THIS INVENTION		
		OPERATION PATTERN A	OPERATION PATTERN B	OPERATION PATTERN C
400m	<div>M</div> <div>SKY LOBBY (c)</div>	<div>M</div> <div>SKY LOBBY (c)</div>	<div>M</div> <div>SKY LOBBY (c)</div>	<div>M</div> <div>SKY LOBBY (c)</div>
300m	<div>SKY LOBBY (b)</div>	<div>SKY LOBBY (b)</div>	<div>SKY LOBBY (b)</div>	<div>SKY LOBBY (b)</div>
200m	<div>SKY LOBBY (a)</div>	<div>SKY LOBBY (a)</div>	<div>SKY LOBBY (a)</div>	<div>SKY LOBBY (a)</div>
100m				
0m	<div>BUILDING LOBBY</div> <div>L</div> <div>P</div>	<div>BUILDING LOBBY</div> <div>L</div> <div>P</div>	<div>BUILDING LOBBY</div> <div>L</div> <div>P</div>	<div>BUILDING LOBBY</div> <div>L</div> <div>P</div>
ROUND TRIP TIME	204.06 SEC.	117.45 SEC.	142.45 SEC.	167.45 SEC.
TRANSPORTING ABILITY (PER 5 MIN.)	64.68 PASSENGERS	112.38 PASSENGERS	92.66 PASSENGERS	78.82 PASSENGERS
AVERAGE ROUND TRIP TIME	204.06 SEC.		142.45 SEC.	
AVERAGE TRANSPORTING ABILITY (PER 5 MIN.)	64.68 PASSENGERS		94.62 PASSENGERS	
KEY	<div>P</div> PIT <div>M</div> MECHANICAL CHAMBER <div>L</div> LOBBY	<div>SKY LOBBY (c)</div>	<div>SKY LOBBY (b)</div>	<div>SKY LOBBY (a)</div>

FIG.5
EVALUATION OF SHUTTLE ELEVATORS IN AN RELATIVELY LOW BUILDING
(MEETING HALL, MOVIE THEATER, STORE, ETC.)

		SYSTEM OF THIS INVENTION					
	OPERATION PATTERN IN PRIOR ART	OPERATION PATTERN A		OPERATION PATTERN B		OPERATION PATTERN C	
		M				M	
30m	FLOOR (c)		FLOOR (c)		FLOOR (c)		FLOOR (c)
20m	FLOOR (b)		FLOOR (b)		FLOOR (b)		FLOOR (b)
10m	FLOOR (a)		FLOOR (a)		FLOOR (a)		FLOOR (a)
0m	BUILDING LOBBY	L	BUILDING LOBBY	L	BUILDING LOBBY	L	BUILDING LOBBY
		P		P		P	
ROUND TRIP TIME	118.07 SEC.		67.78 SEC.		81.12 SEC.		94.45 SEC.
TRANSPORTING ABILITY (PER 5 MIN.)	55.90 PASSENGERS		97.37 PASSENGERS		81.36 PASSENGERS		69.88 PASSENGERS
AVERAGE ROUND TRIP TIME	118.07 SEC.				81.11 SEC.		
AVERAGE TRANSPORTING ABILITY (PER 5 MIN.)	55.90 PASSENGERS				82.87 PASSENGERS		
KEY		P PIT	M MECHANICAL CHAMBER	L LOBBY		SERVICE FLOOR	EXPRESS REGION

FIG.6
Prior Art

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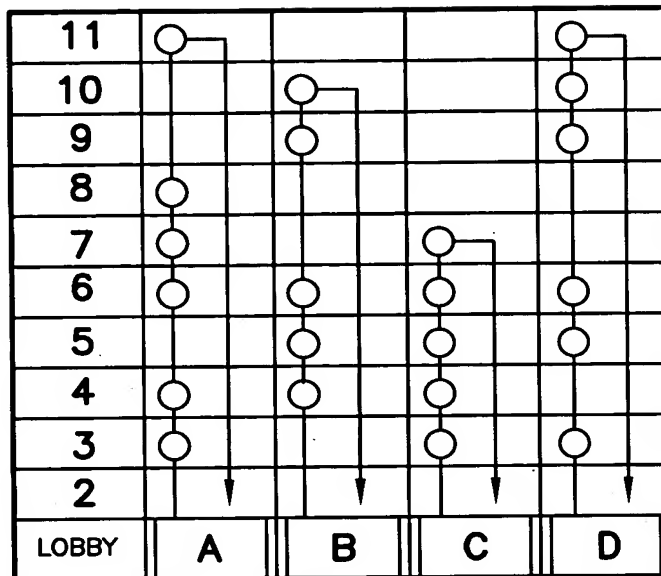


FIG.7
Prior Art

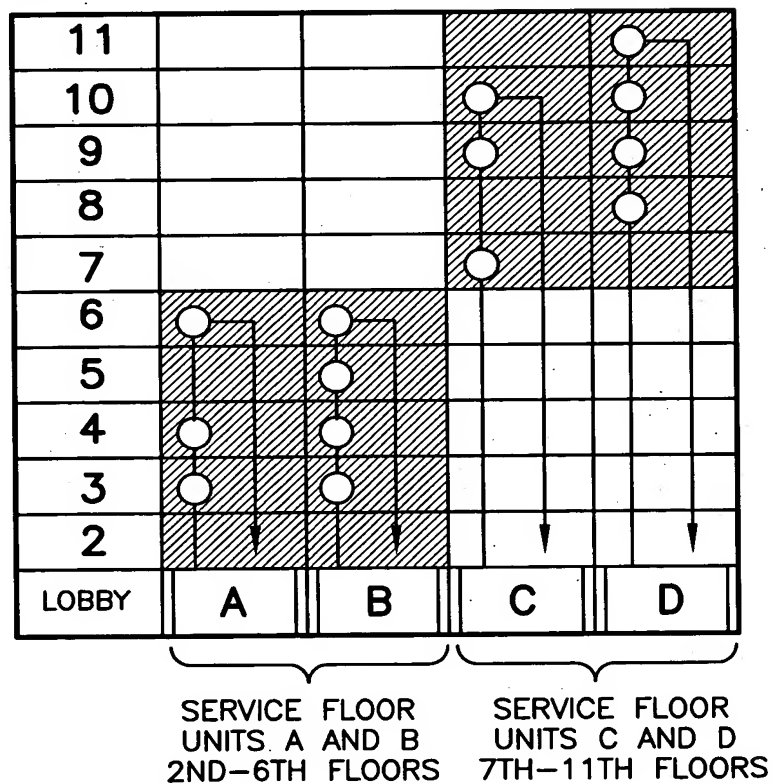


FIG.8
Prior Art

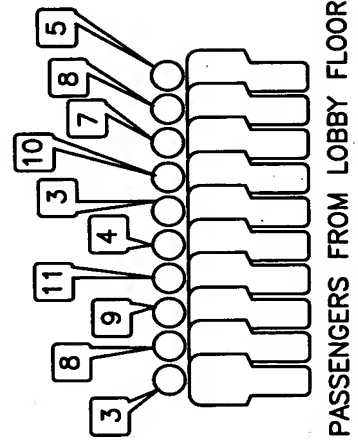
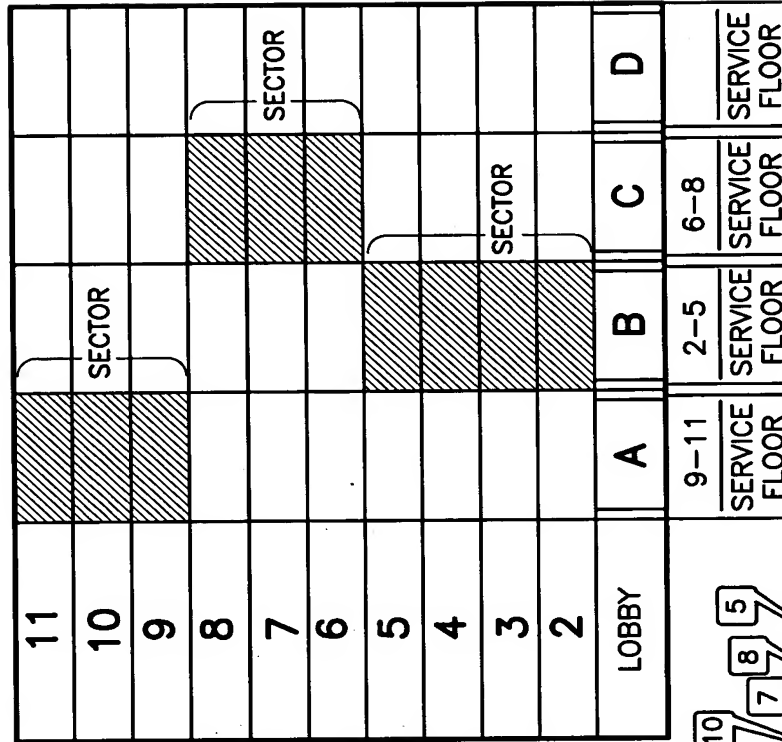


FIG.9
Prior Art

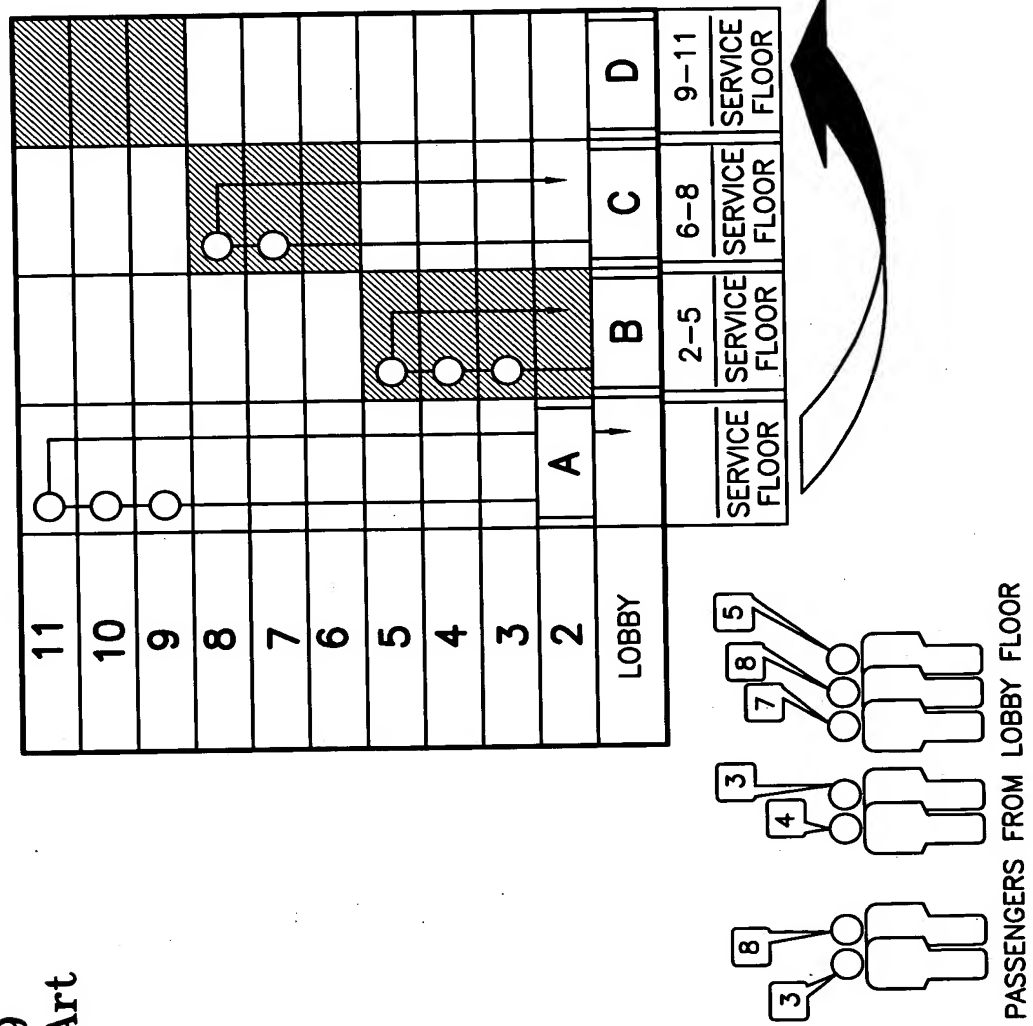


FIG.10
Prior Art

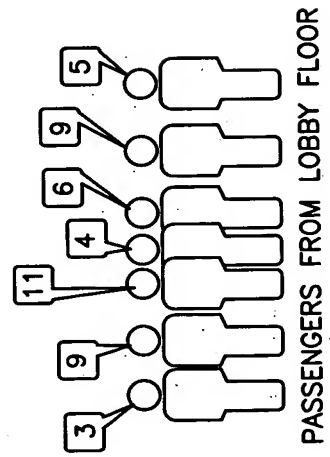
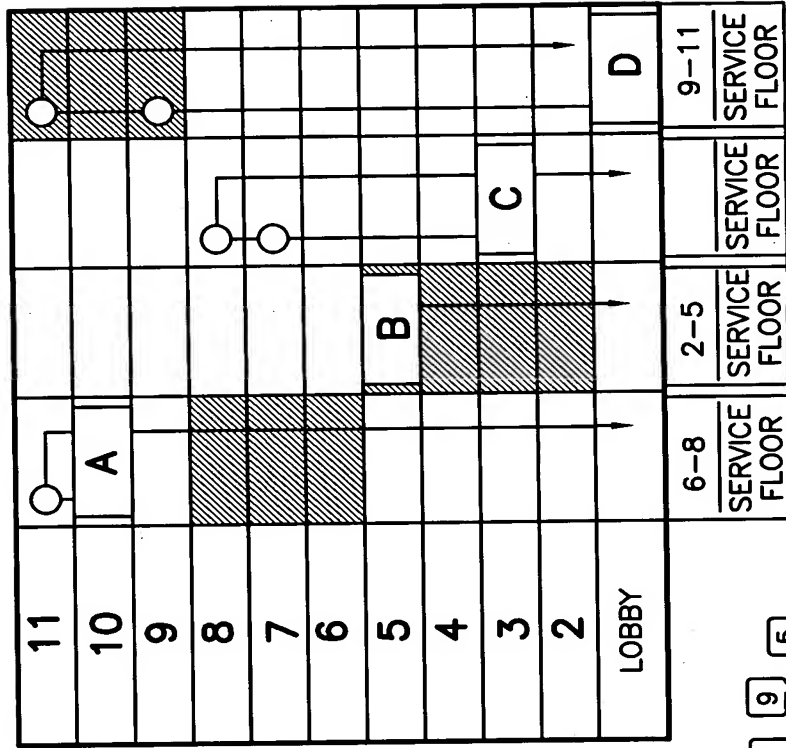


FIG. 11
Prior Art

SECTOR NUMBER	NUMBER OF FLOORS IN SECTOR				D
	A	B	C		
11					
10					
9					
8					
7					
6					
5					
4					
3					
2					
LOBBY					
	9-11	2-5	6-8		
	SERVICE FLOOR	SERVICE FLOOR	SERVICE FLOOR		SERVICE FLOOR

FIG.12
Prior Art

NUMBER OF PASSENGERS					
11	4				
10	10				
9	20				
8	2				
7	3				
6	0				
5	6				
4	0				
3	2				
2	0				
LOBBY		A	B	C	D
		10-11 SERVICE FLOOR	2-8 SERVICE FLOOR	9 SERVICE FLOOR	SERVICE FLOOR

FIG.13
Prior Art

NUMBER OF PASSENGERS					
11	4				
10	0				
9	2				
8	2				
7	3				
6	0				
5	6				
4	2				
3	2				
2	0				
LOBBY		A	B	C	D
		7-11 SERVICE FLOOR	2-6 SERVICE FLOOR	SERVICE FLOOR	SERVICE FLOOR